Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/30/2020 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124730	-1	3.77	124818	3.79
Blue	F	SSC	125000	124811	-1	1.77	125617	1.76
Blue	E	FITC	15892	15682	-2	2.95	343	21.60
Blue	D	PE	29999	29531	-2	2.12	644	15.54
Blue	B	PerCP-Cy5-5	43732	44023	0	3.86	1179	20.89
Blue	A	PE-Cy7	30845	31278	1	6.54	597	42.94
Red	C	APC	46112	45245	-2	2.40	1597	12.18
Red	A	APC-Cy7	30458	29696	-3	2.39	785	11.74
Violet	B	V450	7918	7546	-5	5.29	430	13.56
Violet	A	V500	32171	31160	-4	5.18	733	10.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15471	23.68	658	37	N/A	N/A	Pass
Blue	F	SSC	56797	1.28	588	29	N/A	N/A	Pass
Blue	E	FITC	63	63.09	556	13	0.0159	43	Pass
Blue	D	PE	135	51.89	561	13	0.1421	257	Pass
Blue	B	PerCP-Cy5-5	218	51.25	669	13	0.0087	68	Pass
Blue	A	PE-Cy7	110	106.67	714	16	0.0099	17	Pass
Red	C	APC	379	24.97	589	5	0.0238	94	Pass
Red	A	APC-Cy7	174	28.29	560	4	0.0059	1087	Pass
Violet	B	V450	66	56.87	467	9	0.0448	1603	Pass
Violet	A	V500	109	32.12	483	9	0.0223	511	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.92	-33.31	0.92
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.26	13.60 - 20.40	N/A	N/A	30.42	31.03	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.72

Threshold

Threshold (FSC): 10027

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments